

REMARKS/ARGUMENTS

Favorable reconsideration of this application in light of the following discussion is respectfully requested.

Claims 1-11 are pending in the present application, Claims 1, 2, 4-7, 9, and 10 are amended to address cosmetic matters of form and to remove language which invokes 35 U.S.C. § 112, sixth paragraph. New Claim 11 is added to recite means-plus-function terminology. No new matter has been added.

In the outstanding Office Action, the title was objected to; the specification was objected to due to informalities; Claims 5 and 10 were rejected under 35 U.S.C. § 101 as being directed to non-statutory subject matter; and Claims 1-10 were rejected under 35 U.S.C. § 102(b) as being anticipated by Zakhor et al (U.S. Pat. No. 5,699,121).

In reply, Applicants acknowledge with appreciation the suggested title provided by the examiner in the outstanding Office Action; however, Applicants have selected an alternate title. Thus, it is respectfully submitted the objection to the title has been overcome.

Regarding the objection to the specification (page 1, line 25), Applicants have amended the specification to include the missing IEEE publication year. Thus, it is respectfully submitted that the objection to the specification has been overcome.

Claims 5 and 10 have been amended to recite a computer readable medium encoded with a computer program configured to cause an information processing apparatus to execute a method, and thus define statutory subject matter. Thus, it is respectfully submitted that the 35 U.S.C. § 101 rejection has been overcome.

Regarding the art rejections, Claim 1 defines a dictionary storage device configured to store a plurality of bases based on a predetermined two-dimensional function for generating a predetermined two-dimensional pattern, the predetermined two-dimensional function ***including parameters for curving the predetermined two-dimensional pattern.*** The curving

of a predetermined two-dimensional pattern permits Applicants' invention to accommodate the data compression even for non-isotropic patterns.¹

On page 5 of the outstanding Office Action, the examiner asserts that the feature of curving the predetermined two-dimensional pattern is described in Zakhor et al. Applicants respectfully submit that, while Figure 12 in Zakhor et al shows a function graphed as a contour, Zakhor et al does not describe processing (i.e, generating) a function by predetermined two-dimensional function including parameters for curving the predetermined two-dimensional pattern. Figures 10-13 in Zakhor et al are merely different perspectives of the same processed data; there is no description noting that the data of these Figures was curved prior to graphing in accordance with Applicants' Claim. More specifically, Figure 10 shows a horizontal component for the data; Figure 11 shows a vertical component for the same data; and Figure 13 shows a 3-D visualization of the same data. Figure 12 in Zakhor et al shows a contour plot of the resulting 2-D basis structure, and is not a result of a function being processing (i.e. generated) by predetermined two-dimensional function ***including parameters for curving*** the predetermined two-dimensional pattern.

Thus, Zakhor et al does not describe a dictionary storage device configured to store a plurality of bases based on a predetermined two-dimensional function for generating a predetermined two-dimensional pattern, the predetermined two-dimensional function ***including parameters for curving*** the predetermined two-dimensional pattern, as defined in Claim 1.

Accordingly, Applicants believe that independent Claim 1 patently defines over Zakhor et al. Additionally, independent Claims 2, 6, 7, and 10 recite similar elements to Claim 1. Therefore, Applicants respectfully submit that Claim 2, 6-7, and 10 (and the claims

¹ Specification, paragraph [0004]

dependent therefrom) patentably define over Zakhor et a for at least the reasons discussed above with respect to Claim 1.

Consequently, in light of the above discussions, the outstanding grounds for rejection are believed to have been overcome. The application herewith is believed to be in condition for formal allowance. An early and favorable action to that effect is respectfully requested.

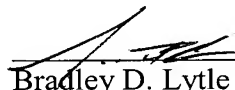
Respectfully submitted,

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